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TITLE: DATA COMMUNICATION SYSTEM, DATA

COMMUNICATION METHOD,

AND DATA COMMUNICATION APPARATUS

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INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

HATAE, SHINICHI KAWASAKI-SHI JP

KOBAYASHI, TAKASHI YOKOHAMA-SHI JP

NIIDA, MITSUO YOKOHAMA-SHI JP

OHNISHI, SHINJI YOKOHAMA-SHI JP

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FOREIGN-APPL-PRIORITY-DATA:

COUNTRY APPL-NO		DOC-ID	APPL-DATE
JP	10-042656	1998JP-10-042656	February 24, 1998
JP	10-057268	1998JP-10-057268	March 9, 1998
JP	10-111681	1998JP-10-111681	April 22, 1998
JP	10-119727	1998JP-10-119727	April 28, 1998

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ABSTRACT:

A communication system and a communication protocol are implemented by

connecting the source node and one or more destination nodes logically, and

controlling the data communication between each of the nodes by use of the

connection ID whereby to identify such logical connection relationship. Also, for the data communication using the logical connection relationship, a

communication system and a communication protocol are implemented by setting

optimally the size of each packet transferred by the source node sequentially

and the size of the reception buffer of each destination node even when the

reception capability of each of the destination nodes is different.

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Detail Description Paragraph - DETX (199):

[0319] The 64-bit data having combined the node_vender_id, chip_id_hi, chip_id_lo held by each of the nods is called the world wide unique ID or EUI-64 (Extended Unique Identifier, 64 bits), which is inherent to such node.

Therefore, there is no other node having the same EUI-64 in one communication

system. In accordance with the present embodiment, each of the connections is

identified by the combination of the EUI-64 and the connection_ID. Hereinafter, the data used for identifying the connection is called the connection identifier data.